AMERICAN JOURNAL OF MATHEMATICS

FOUNDED BY THE JOHNS HOPKINS UNIVERSITY

EDITED BY

WEI-LIANG CHOW
THE JOHNS HOPKINS UNIVERSITY

I. M. SINGER
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

PHILIP HARTMAN
THE JOHNS HOPKINS UNIVERSITY

HYMAN BASS
COLUMBIA UNIVERSITY

WITH THE COÖPERATION OF

E. BOMBIERI R. BOTT J.-1. IGUSA K. KODAIRA T. MATSUSAKA J. MOSER

G. D. MOSTOW

D. MUMFORD J. H. SAMPSON

S. SMALE A. WEIL

PUBLISHED UNDER THE JOINT AUSPICES OF

THE JOHNS HOPKINS UNIVERSITY

AND

THE AMERICAN MATHEMATICAL SOCIETY

VOLUME XCVII

1975

THE JOHNS HOPKINS UNIVERSITY PRESS BALTIMORE, MARYLAND 21218 U. S. A.



INDEX

ALEXANDER, H. and R. OSSERMAN. Area bounds for various classes of surfaces	753
Alexander, J. C. On (U,Sp)bordism.	617
Auslander, L. and R. H. Szczarba. Vector bundles over tori and noncompact	
solvmanifolds.	260
BAOUENDI, M. S. Solvability of partial differential equations in the traces of	
analytic solutions of the heat equation	983
BAUMSLAG, GILBERT. A remark on groups with trivial multiplicator	863
BIERAO-DA-VEIGA, HUGO. Sul Problema misto per le equazioni lineari ellittiche	
del secondo ordine	973
CAPPELL, SYLVAIN E. and JULIUS L. SHANESON. Close codimension two embed-	
dings of even dimensional manifolds	733
CAUTY, ROBERT. Un théorème de sélection et l'espace des rétractions d'une	
surface	282
CHERN, SHING-SHEN and SAMUEL I. GOLDBERG. On the volume decreasing prop-	
erty of a class of real harmonic mappings.	133
CRICK, JR., STEPHEN E. Local moduli of abelian varieties.	851
DETMER, RICHARD C. Characterization of sets which are tame in complexes in	-
E ³ .	205
Dias, Joao-Paulo. Variational inequalities and eigenvalue problems for non-	200
linear maximal monotone operators in a Hilbert space	905
ELDERKIN, RICHARD H. Separatrix structure for elliptic flows.	221
FADELL, EDWARD. Equivariant maps on configuration spaces of spheres	699
FLATTO, LEOPOLD and David Jacobson. Functions satisfying the mean value	000
property for product measures.	1049
GLASNER, SHMUEL. Compressibility properties in topological dynamics	148
Goldberg, Samuel I. See Shing-Shen Chern and Samuel I. Goldberg, page 133	140
GRABINER, SANDY. Weighted shifts and Banach algebras of power series	16
Green, Mark Lee. Some Picard theorems for holomorphic maps to algebraic	10
varieties.	43
GREENLEAF, FREDERICK P., MARTIN MOSKOWITZ, and LINDA PREISS ROTHSCHILD. Com-	40
pactness of certain homogeneous spaces of finite volume	248
Gross, Leonard. Logarithmic Sobolev inequalities.	1001
HAHN, ALEXANDER J. Isomorphisms of the integral classical groups and their	000
congruence subgroups.	865
HEEREMA, NICKOLAS. The derivation and automorphism ramification series of	015
complete idealadic rings	815
HIRONAKA, HEISUKE. Flattening theorem in complex-analytic geometry	503
Jacobson, David. See Leopold Flatto and David Jacobson, page	
JOSEPH, A. The Weyl algebra—semisimple and nilpotent elements.	597
KAWAKUBO, KATSUO. The index and the generalized Todd genus of Z_p -actions.	182
LANE, D. R. Fixed points of affine Cremona transformations of the plane over	
an algebraically closed field.	707
LANG, SERGE. Division points of elliptic curves and Abelian functions over	
number fields.	124
Lew, John S. Freorder relations and pseudoconvex metrics	344

LIPMAN, JOSEPH. Absolute saturation of one-dimensional local rings	771
LIPMAN, JOSEPH. Relative Lipschitz-saturation	791
LIPPA, ERIC A. On Fourier coefficients of Siegel modular forms of degree two.	829
LIPSMAN, RONALD L. The CCR property for algebraic groups	741
Luna, D. Sur certaines operations differentiables des groupes de Lie	172
MENIKOFF, A. The Cauchy problem for weakly hyperbolic equations	548
Moskowitz, Martin. See Frederick P. Greenleaf, Martin Moskowitz, and	0.0
Linda Preiss Rothschild, page 248.	
Mumford, David. Pathologies IV.	847
NITECKI, Z. and M. Shub. Filtrations, decompositions, and explosions.	
NORDGREN, ERIC, HEYDAR RADJAVI, and PETER ROSENTHAL. On operators with re-	
ducing invariant subspaces	559
	1085
PARKER, Tom. A number theoretic characterization of dimension sequences	308
Pelles, Donald Alfred. Holomorphic maps which preserve intrinsic	
measure.	1
RADJAVI, HEYDAR. See Eric Nordgren, Heydar Radjavi and Peter Rosenthal, page 559.	
ROSENTHAL, PETER. See Eric Nordgren, Heydar Radjavi and Peter Rosenthal, page 559.	
ROTHSCHILD, LINDA PREISS. See Frederick P. Greenleaf, Martin Moskowitz and	
Linda Preiss Rothschild, page 248.	
Sakai, Shoichiro. Automorphisms and tensor products of operator algebras.	889
Shaneson, Julius L. See Sylvain E. Cappell and Julius L. Shaneson, page 733.	
SHAPIRO, JOEL H. and ALLEN L. SHIELDS. Unusual topological properties of the	
Nevanlinna Class	915
SHEA, DANIEL F. and STEPHEN WAINGER. Variants of the Wiener-Lévy theorem,	
with applications to stability problems for some Volterra integral	
equations	312
SHIELDS, ALLEN L. See Joel H. Shapiro and Allen L. Shields, page	915
Shub, M. See Z. Nitecki and M. Shub, page	1029
Sit, William Yu. Differential algebraic subgroups of SL(2) and strong nor-	
mality in simple extensions.	627
SMITH, R. T. Harmonic mappings of spheres.	364
Speder, J. P. Equisingularite et conditions de Whitney	571
STEINLAGE, R. C. On Haar measure in locally compact T ₂ spaces	291
STORMER, ERLING. Hyperfinite product factors, III.	589
Szczarba, R. H. See L. Auslander and R. H. Szczarba, page 260.	000
VEECH, WILLIAM A. A converse to the mean value theorem for harmonic	
functions	1007
WAINGER, STEPHEN. See Daniel F. Shea and Stephen Wainger, page 312.	
WALLACH, NOLAN R. On Harish-Chandra's generalized C-functions	386
Walters, Peter. A variational principle for the pressure of continuous transformations.	937
Wang, S. P. On subgroups with property (P) and maximal discrete sub-	
groups.	404
Wilson, W. Stephen. The Ω -spectrum for Brown-Pererson cohomology part	101
II	101

Wright, D. Degrees of minimal embeddings for some direct products	897
YAU, SHING TUNG. Submanifolds with constant mean curvature II	76
ZARISKI, OSCAR. General theory of saturation and of saturated local rings. III	
Saturation in arbitrary dimension and, in particular, saturation	
of algebroid hypersurfaces	415



